

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** September 7, 2005

**Inspector:** Diana Walden

**Location:** 345kV Underground Route

**Storm/**

**Rain Event:** The area has received only traces of precipitation since the last inspection as reported by NOAA.

| Areas of Inspection  | Observation  | Recommended Action   |
|--|--|--|
| Vault Openings and Trench Construction   | <p>- Trenching, pipe installation, and sawcutting operations continue along Rt. 7 in Wilton during the night. 9/7/05</p> <p>- Trenching, pipe installation, and saw cutting continued along Rt. 107 during the day in the vicinity of Umpawaug Road and north of the Georgetown Deli. 9/7/05</p> <p>-Active work for a jack and bore of a stream near Allens Meadows Park is ongoing. The jacking pit has been partially closed but is still active. A receiving area is now under preparation to complete the work but the pit is not dug yet. 9/1-9/7/05</p> | <p>-The majority of the work has been in the roadway and seems contained for the most part but there are a few issues that require attention. Continue to provide attention to any off- road areas that need restoration. See additional sections for specific recommendations. 9/7/05</p> <p>- Discharge water from the hoses is very clear but slightly turbid water is still leaving the settling basin to the stream. The erosion controls here also need attention 9/7/05</p> |
| Erosion and Sediment Controls (includes inspection within 24 hours of a storm event) | <p>- The silt fence located at the edge of the original storage yard near the Rt. 107 and 7 intersection is still down completely, originally due to separate landowner activities. 8/19-9/7/05</p>  | <p>-The fence has not been repaired but should be as soon as possible. Wetlands are immediately beyond the yard. 8/19-9/7/05/05</p>  |

| Areas of Inspection  | Observation   | Recommended Action   |
|--|---|--|
| <p>Erosion and Sediment Controls<br/>(continued)</p> <p><b>Route 7</b></p> | <ul style="list-style-type: none"> <li>- Haybales were still noted up on the curb along Rt. 7 rather than on the catch basins, and many looked deteriorated. This may be done during the day due to the lack of active work 9/1-9/7/05</li> <li>-The area in front of the school fields has been well restored and seeded. 9/7/05</li> <li>- The erosion controls near the stream jack and bore at Allens Meadow need attention. The silt fence at the receiving side needs to be toed in and the controls near the jacking pit are down completely. 9/7/05</li> <li>- The discharge water to the settling basin is very clear now but the water is picking up turbidity from the basin itself and this is still getting to the stream to some degree. 9/7/05</li> <li>- The erosion caused by slurry muds under the wooden fence in the vicinity of the work north of Georgetown deli has not been repaired. 8/25-9/7/05</li> <li>- An area of silt fence in the work area north of the Georgetown Deli was pushed down due to placement of materials and equipment. 9/7/05</li> <li>- An excavator was also parked adjacent to a wetland area and partially into the vegetation here. 9/7/05</li> </ul> | <ul style="list-style-type: none"> <li>- Make sure that haybales are placed in the catch basins during the nightwork and continue to maintain them. Filter fabric is also an accepted measure if haybales are difficult to maintain. 9/7/05</li> <li>- Continue to restore any off-roadway areas (such as the field area across from the church) in an appropriate amount of time. 9/7/05</li> <li>- The controls on both side of the stream work require repair ASAP. 9/7/05</li> <li>- Consider releasing the water directly to the stone pad in an attempt to avoid picking up sediment. This should only be done if the water remains this clear. 9/7/05</li> <li>- In general, catch basins should also be cleaned regularly and roadways swept of sediment attributed to the project. Contain all muds and monitor where water is flowing even when catch basins are not the receivers. 9/7/05</li> <li>-The silt fence line should be considered a limit of work and materials should not be placed on or over it. The fence here should be restored. 9/7/05</li> <li>- Machinery should be parked as far from wetland areas as feasible and equipment should be placed in appropriate storage areas. 9/7/05</li> </ul> |
| <p><b>Rt. 107 Daywork</b></p>  |   |  |
| <p>Adjacent Wetlands and Waterways</p>                                     | <ul style="list-style-type: none"> <li>-The jack and bore near Allens Meadow Park had some slightly turbid discharge from</li> </ul>  | <ul style="list-style-type: none"> <li>- Investigate ways to prevent the clear water from accumulating sediment.</li> </ul>  |

| Areas of Inspection                 | Observation   | Recommended Action   |
|-------------------------------------|---|--|
|                                     | <p>the basin to the stream again during this inspection. Even though the discharge hose water is very clear, it is picking up sediment from the basin itself. 9/7/05</p> <ul style="list-style-type: none"> <li>- Some sediment had been noticed accumulating at the edge of the spillway at the stream's edge. 9/7/05</li> <li>- An excavator was noted parked adjacent to a wetland swale off the roadway. 9/7/05</li> </ul>  | <p>9/7/05</p> <ul style="list-style-type: none"> <li>- When the settling basin is removed and closed up, remove the additional sediment accumulation at the edge of the stream by hand/shovel. 9/1-9/7/05</li> <li>- Keep vehicles parked as far from wetland areas as feasible. 9/7/05</li> </ul>   |
| Staging, Storage, and Parking Areas | <ul style="list-style-type: none"> <li>- The silt fence at the equipment storage yard located on property off Rt. 7, south of the Rt 107 and 7 intersection has been completely pushed over by separate landowner activities. 8/19-9/7/05</li> <li>- The Georgetown work area could use improvement of storage methods as materials were placed on/over the silt fence and machinery was parked partially into the woods. Oil based materials and glues were also left out until the contractor was informed. 9/7/05</li> <li>-At the School Rd. storage area, the soil surface is disturbed where the stockpiles had been. If bore staging work is not scheduled here soon, it should be temporarily stabilized. 9/1-9/7/05</li> </ul> | <ul style="list-style-type: none"> <li>- The fence is not yet repaired but should be ASAP. Wetlands are located immediately adjacent. 8/19-9/7/05</li> <li>- In general, equipment should not be left above or adjacent to wetlands during inactive hours. Materials should be placed appropriately in storage areas over night. 9/7/05</li> <li>- Consider temporary restoration measures here if the need for staging is not scheduled in the near future. 9/1-9/7/05</li> </ul> |
| Soils                               | <ul style="list-style-type: none"> <li>- Most soils along the project route are being trucked to a waste facility in Danbury for storage and eventual disposal. However, any soils from the work in Redding which meet the RSR levels are being used in the landfill as daily cover.</li> </ul>   | <ul style="list-style-type: none"> <li>- Soils appear to be handled appropriately. 9/7/05</li> </ul>   |

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|--|--|---|
| State species of concern, threatened and endangered species                | - No species of concern are located in this area of construction.  | - N/A   |
| Vegetative clearing limits (including trees to save or danger trees noted) | <p>-The area near the athletic fields between School Rd. is well restored and seeded. 9/7/05</p> <p>- Continue restoration efforts on all areas off the roadway where soil has been disturbed, including near the School Rd. storage if the staging is not scheduled soon and near Zion Church within the set time. 9/7/05</p>     | <p>-None at this time. 9/7/05</p> <p>- According to the D&amp;M plan, areas that are disturbed but will not be worked in for over 21 days should be temporarily stabilized/reseeded after 7-14 days. Restoration crews should be attending these areas prior to the deadline.</p>   |
| Dewatering   | <p>-Dewatering that occurs within the trench work along Rt. 107 and Rt. 7 is being directed to a frac tank truck.</p> <p>- Dewatering had actually continued for the jack and bore of the stream and there was more water this week than last. The water remains very clear but is picking up turbidity from the basin. 9/7/05</p> | <p>- It could be determined whether the watershed basin is stressed due to removal of the groundwater.</p> <p>-It may be best to let the very clear water filter directly to the stone pad. Do not allow unfiltered water to discharge directly to wetlands, streams or catch basins.</p>   |
| Blasting   | - No blasting is occurring on site at this time.   | - None at this time.  |
| Spills and Material Storage  | <p>- No spills or leaks were observed during the inspection. 9/7/05</p> <p>- Make sure that glues, asphalt components and other materials are stored well overnight and not left out along the roadway. 9/7/05</p>   | <p>- The contractors should remain vigilant about securing and handling fuel containers.</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site.</p> <p>- Check equipment status on a regular basis and keep spill kits on hand.</p> <p>- Report spills immediately, even if they are being controlled.</p> |

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|-------------------------|-------------|--------------------|
| Additional Observations |             |                    |

**Next likely scheduled inspection:**

Wednesday, September 14, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:**

Diana Walden



**345kV (Route 107 Daywork): Near Umpawaug Rd. Silt fence was installed near a stockpile but it has fallen down and needs repair. (9/7/05)**



**(North of Georgetown Deli): Photo on the left shows equipment parked off the side of the road, adjacent to a wetland swale. Photo on the right shows a trench box and some equipment which had been placed on top of the silt fence. (9/7/05)**





Photo on the left shows some materials left off roadway, including some oil based products and glue containers. Crews were asked to remove these at the end of the day. Photo on the right shows the vicinity where some erosion had occurred under the fence due to roadway runoff. (9/7/05)



(345kV: Rt. 7) View of the storage yard near the Rt. 107/7 intersection. Silt fence still needs to be restored following the landowner's activities which pulled it down. (9/7/05)





Photo on the left shows the receiving side of the stream jack and bore where vegetation was cleared and silt fence needs some repair/toeing-in. The photo on the right shows where erosion controls on the jacking pit side need repair. (9/7/05)



Photo on the left shows a view of the jacking pit which is still active. Photo on the right shows dewatering to the settling basin. Water from the hoses is very clear but the discharge to the stream is still slightly turbid. (9/7/05)